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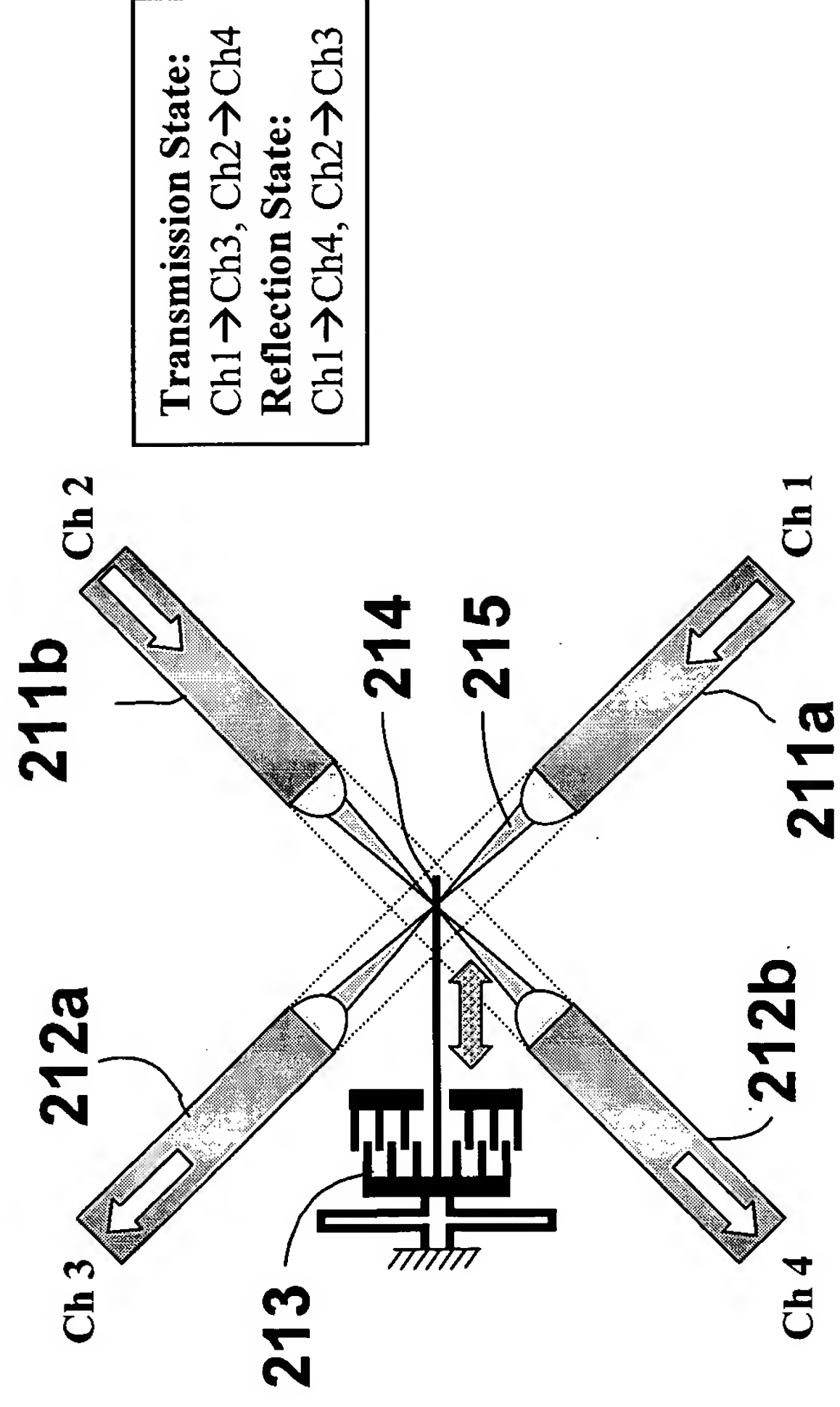


Fig.2

REPLACEMENT FORMAL DRAWINGS

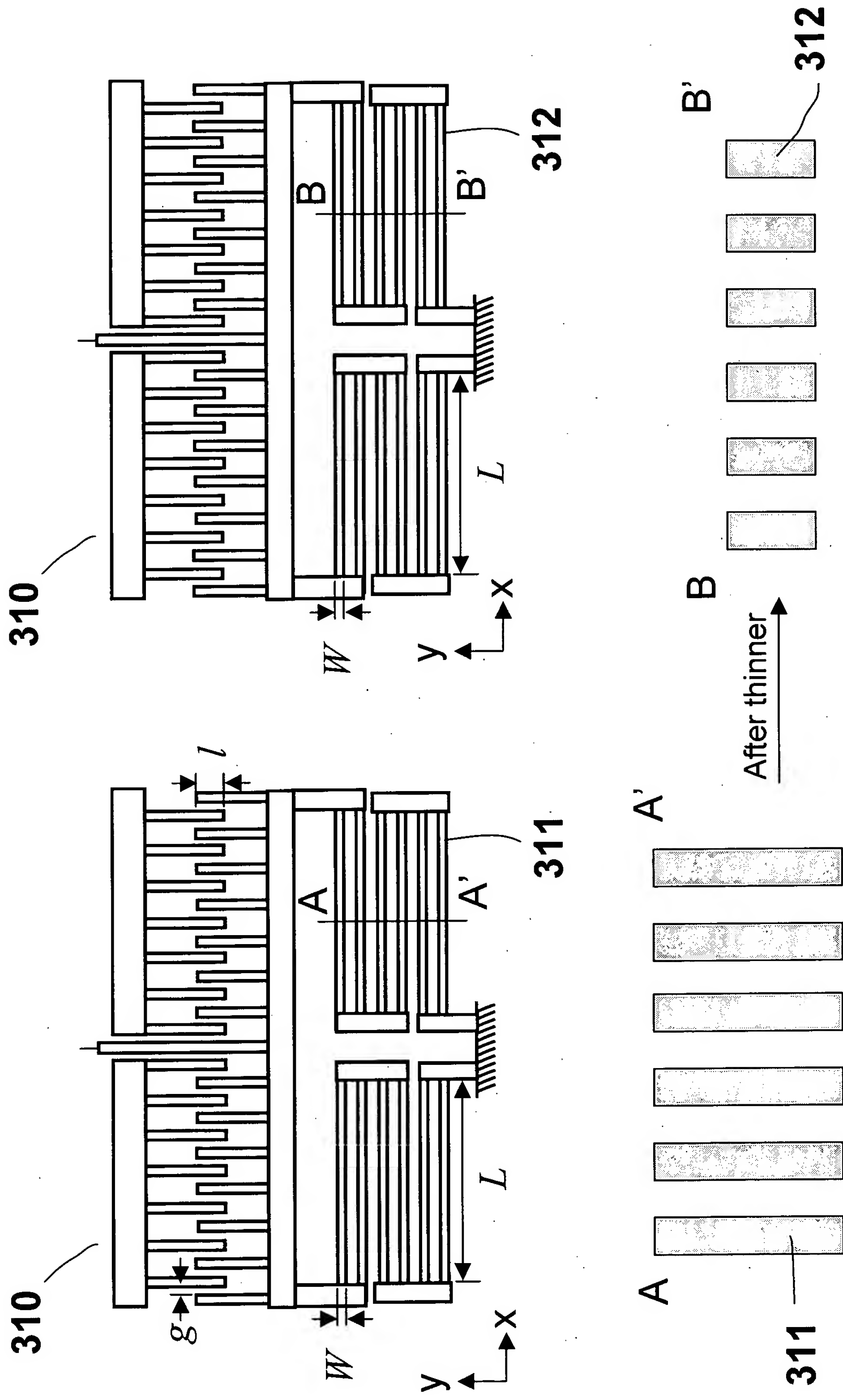


Fig.3

REPLACEMENT FORMAL DRAWINGS

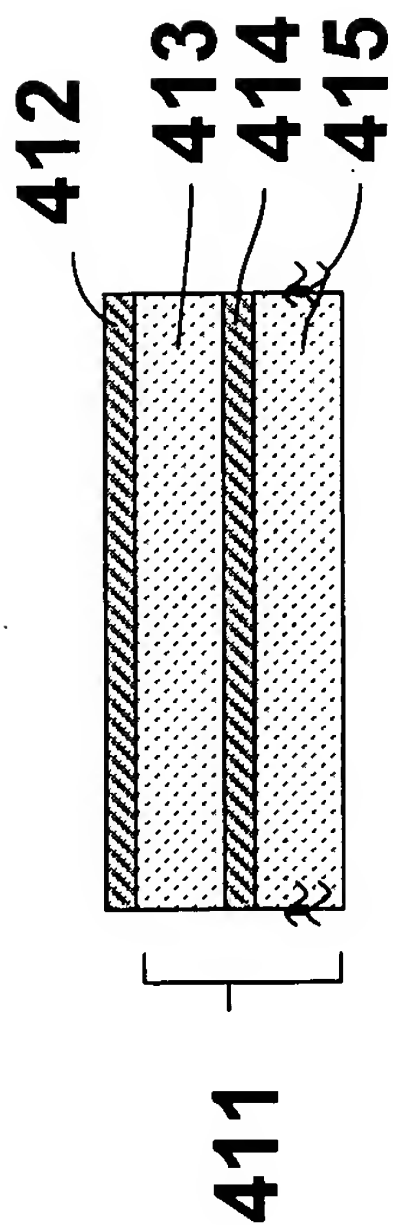


Fig. 4a

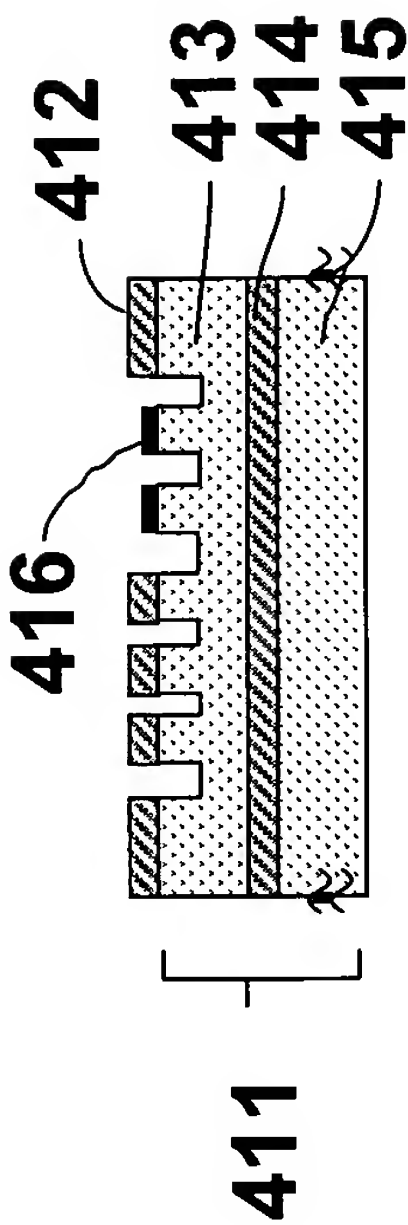


Fig. 4d

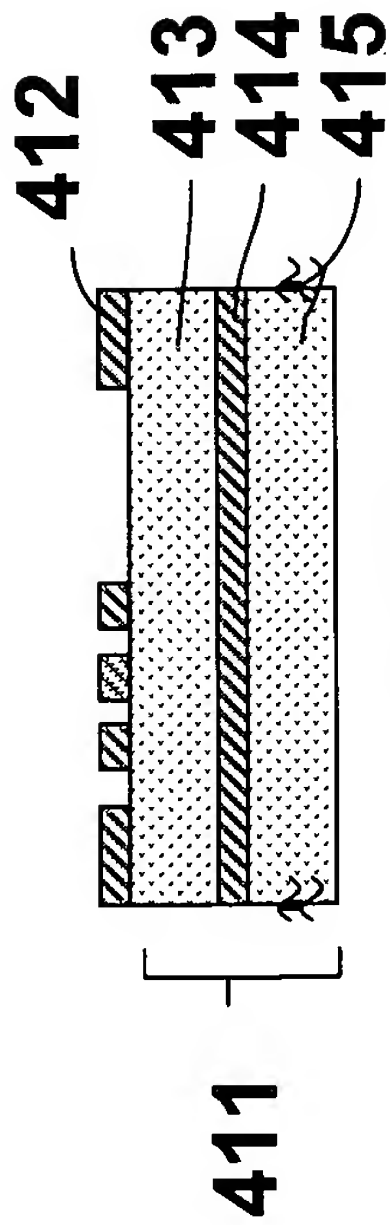


Fig. 4b

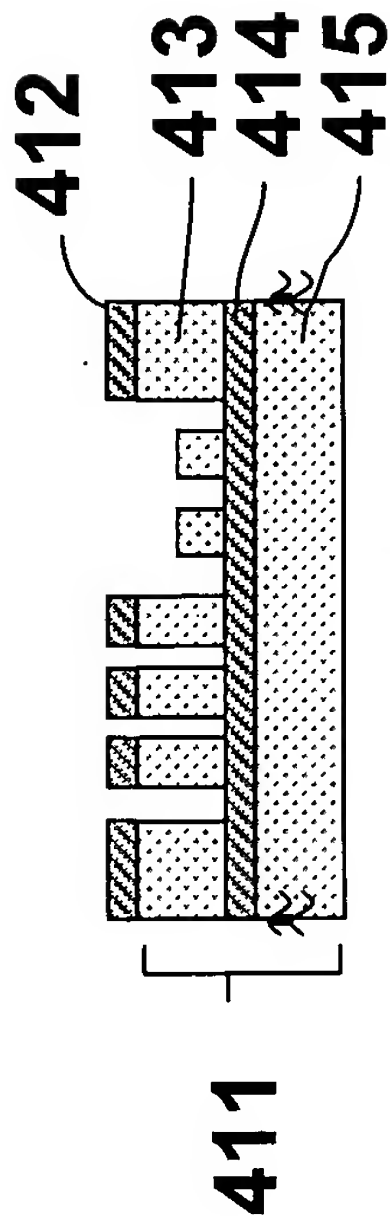


Fig. 4e

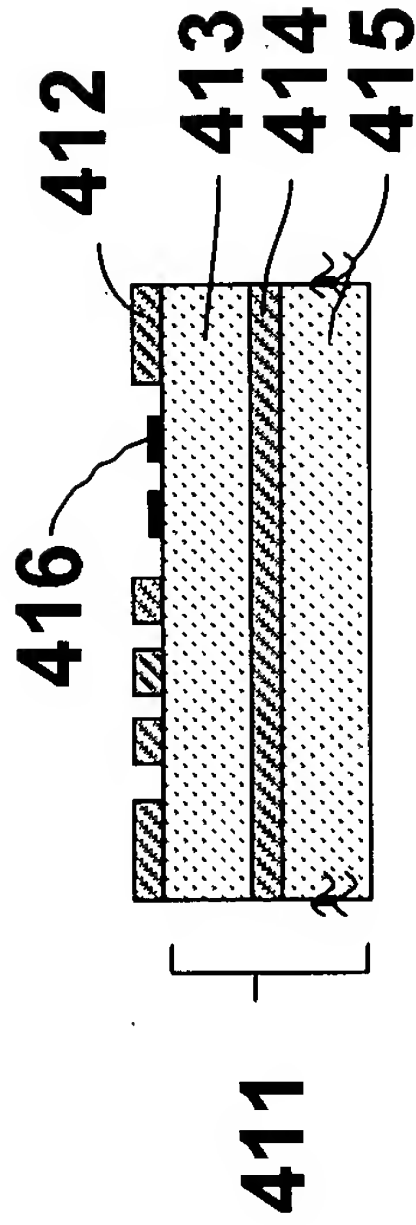


Fig. 4c

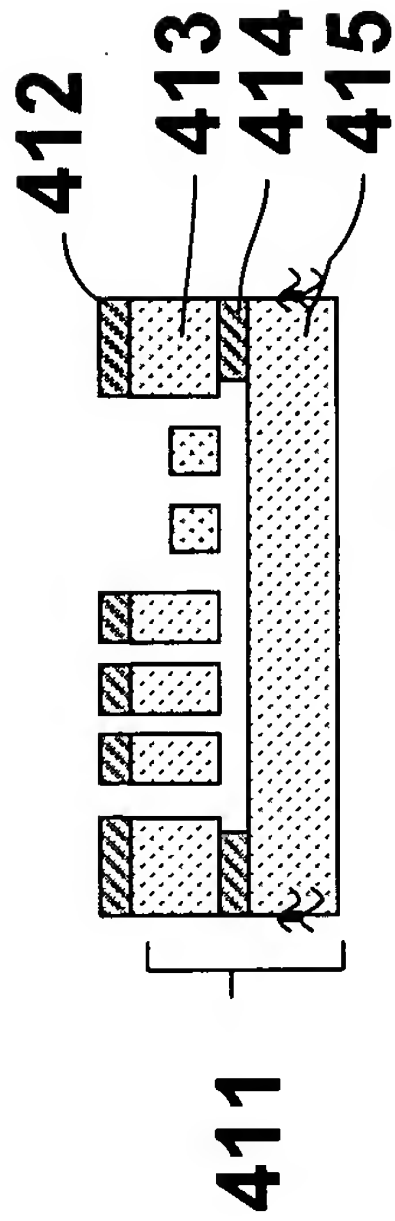


Fig. 4f

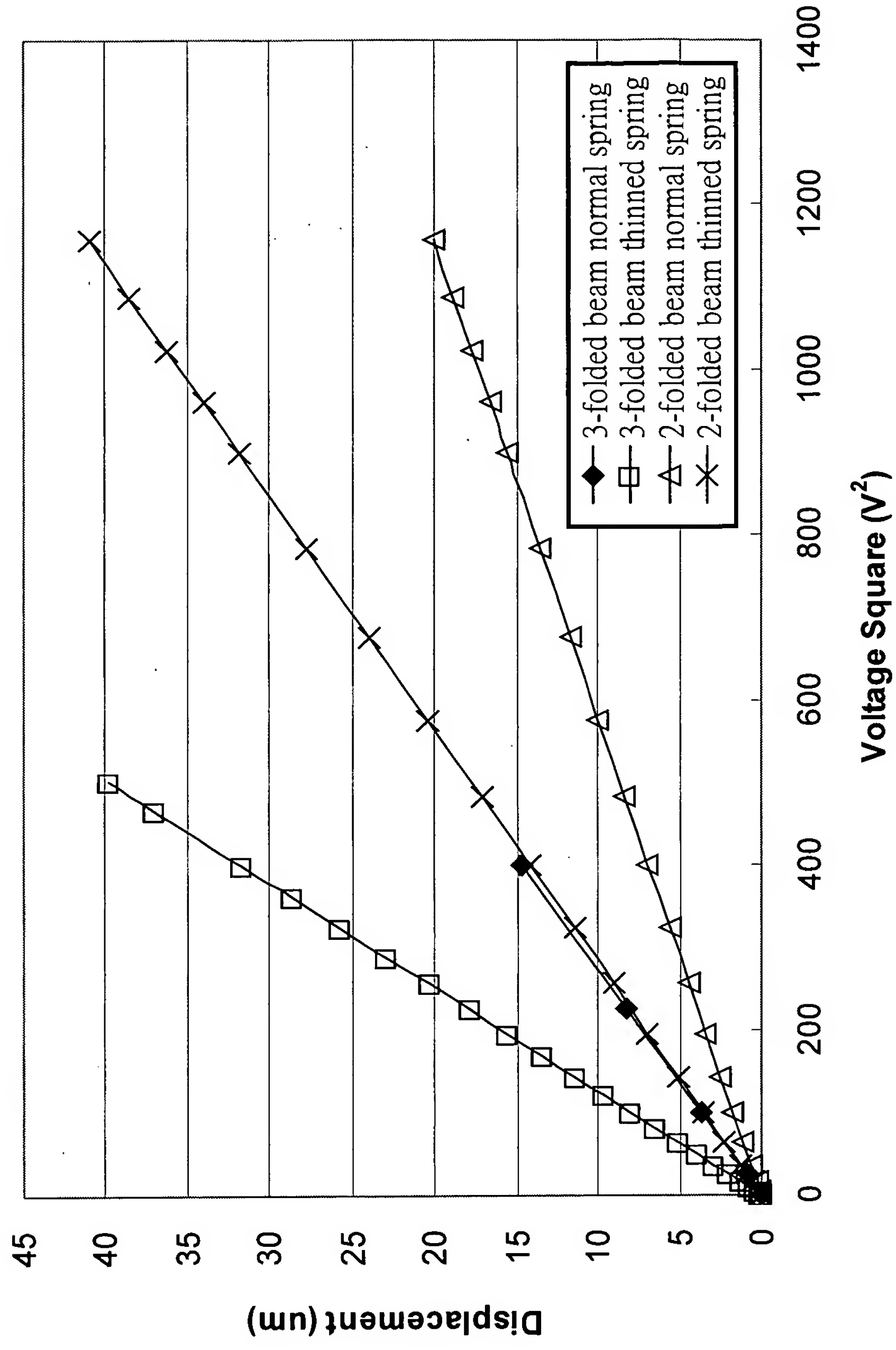


Fig.5

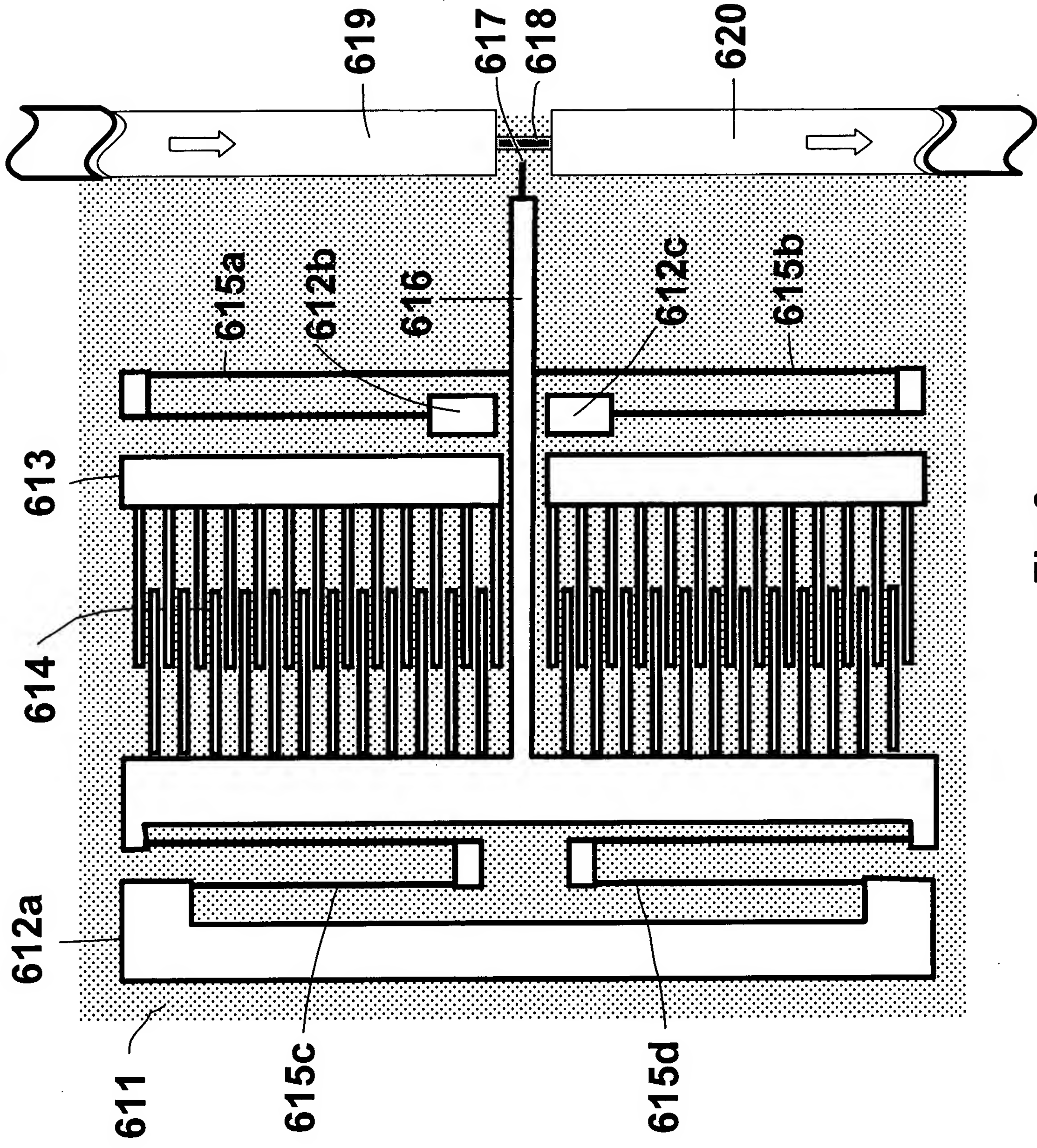


Fig.6

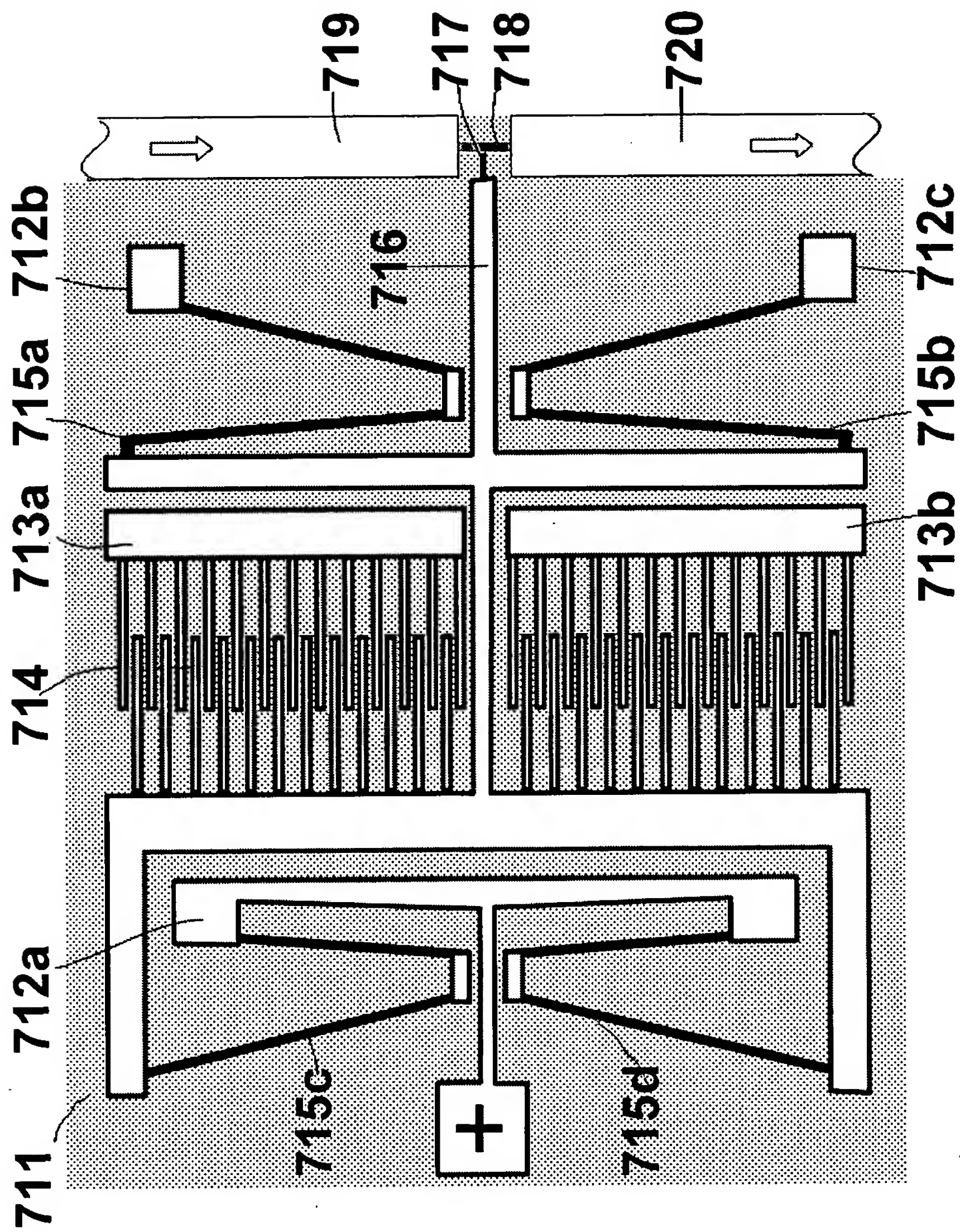


Fig.7

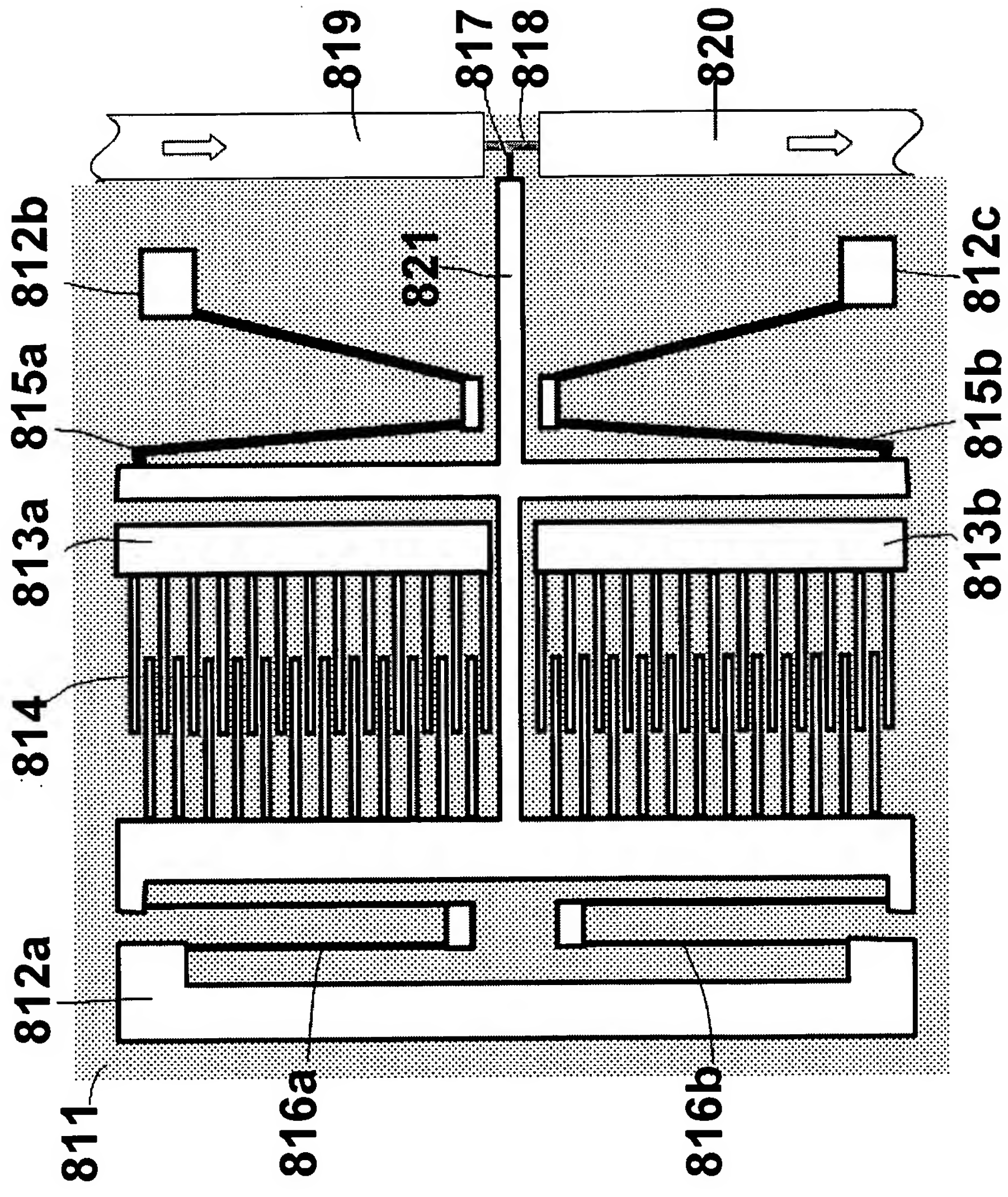


Fig.8a

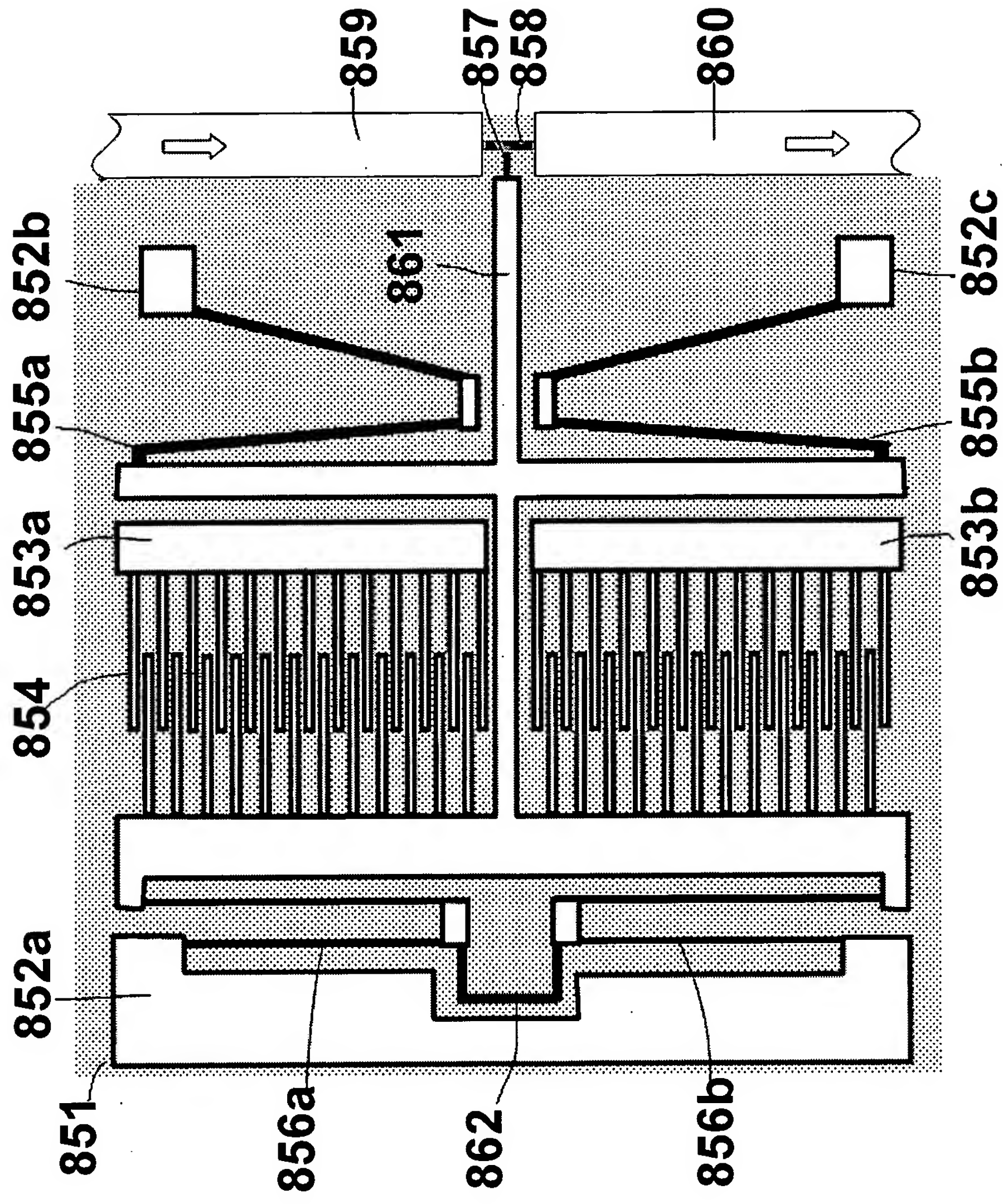


Fig. 8b

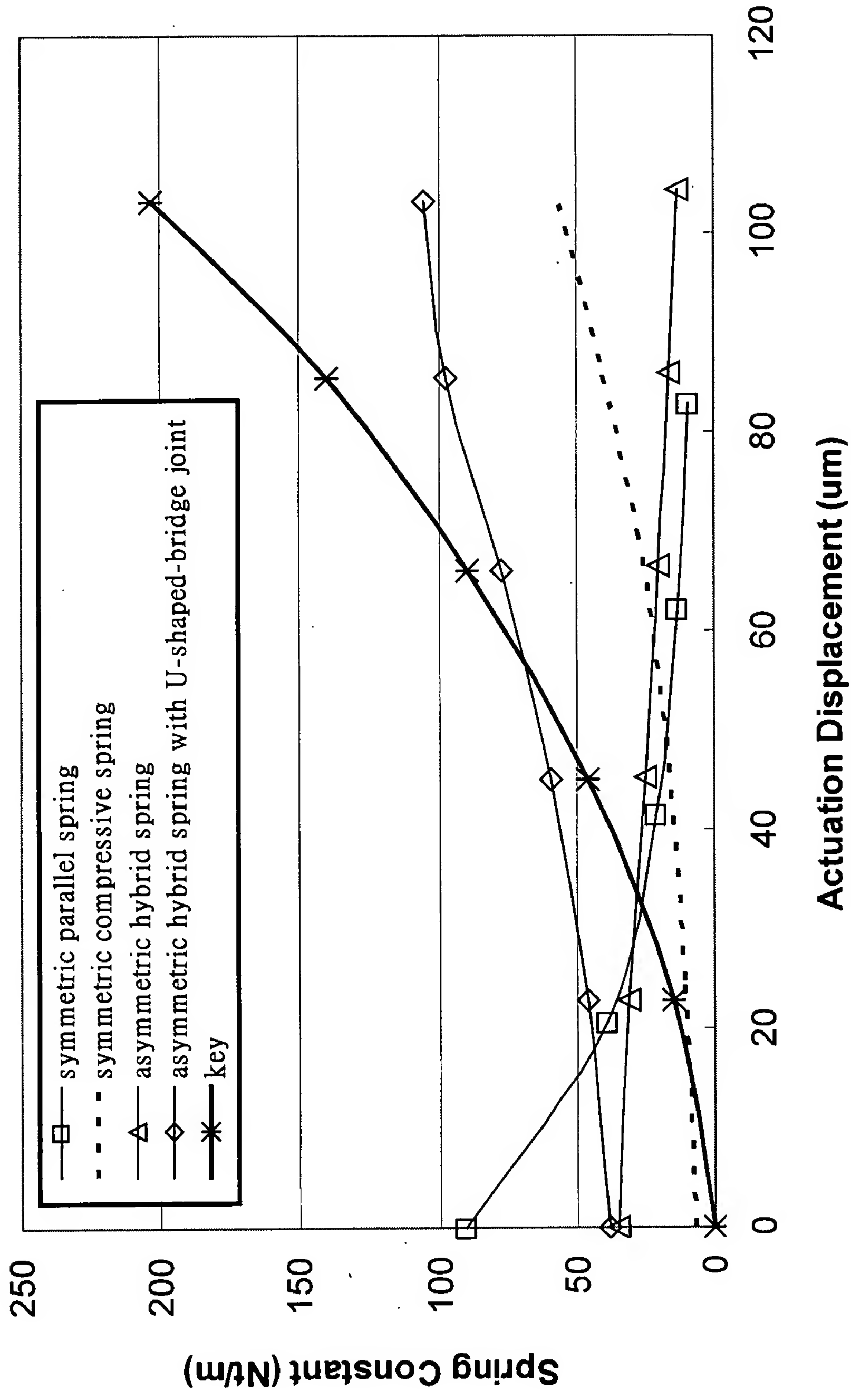


Fig.9

REPLACEMENT FORMAL DRAWINGS

$$F = \frac{\epsilon \cdot t \cdot H \cdot V^2}{2 \cdot g}$$

e:dielectric constant

H: thickness of device

V: voltage

g : gap of finger

t : width of comb finger

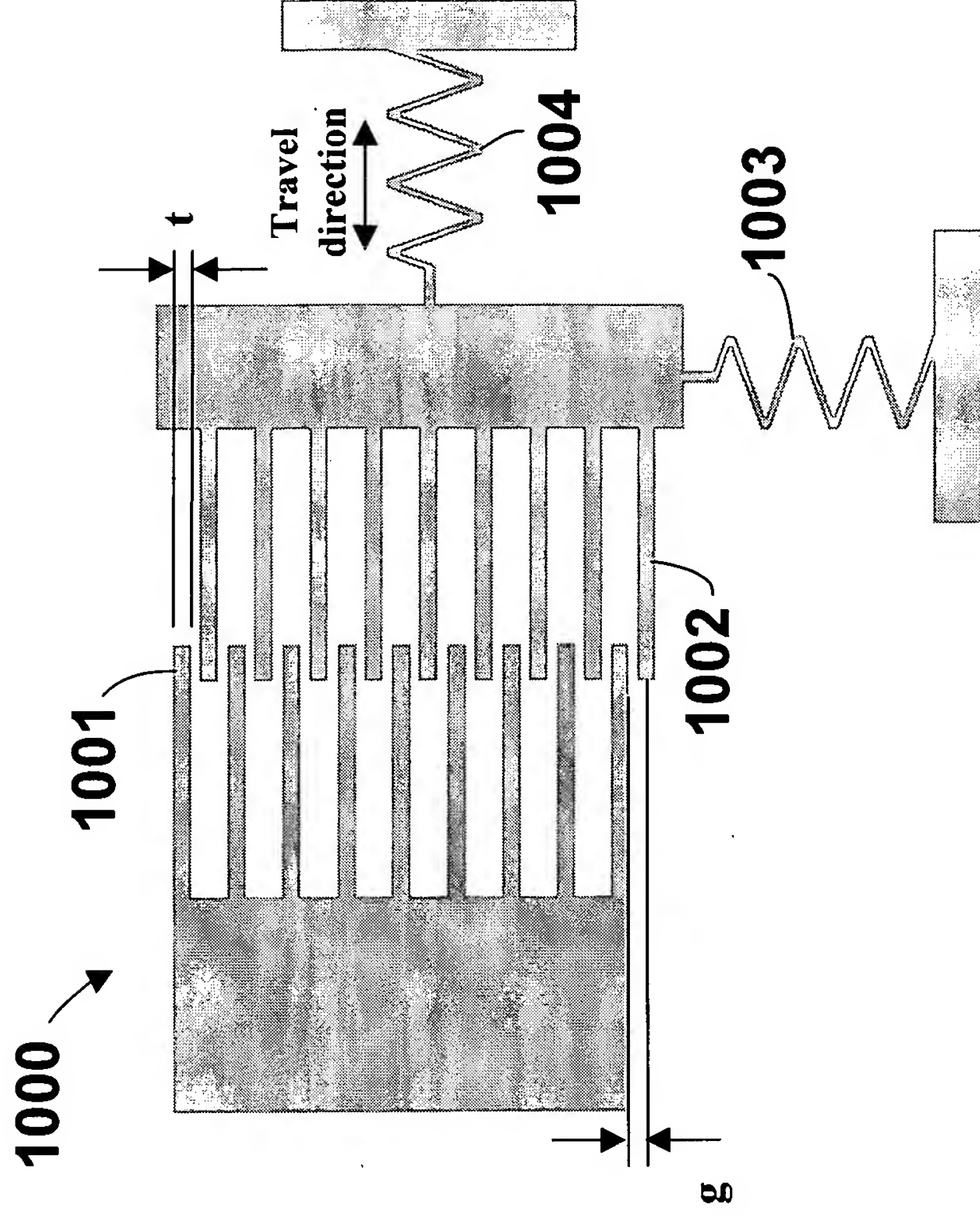


Fig.10a

$$F = \varepsilon \cdot H \cdot V^2 \cdot \frac{(g \cdot \cos(\theta) + W_o \cdot \sin(\theta))}{(g - x \cdot \sin(\theta))^2}$$

- e:dielectric constant
- H: thickness of device
- V: voltage
- g : gap of finger
- W_o :overlap of comb finger
- ? : degree of oblique comb
- Lo : working distance

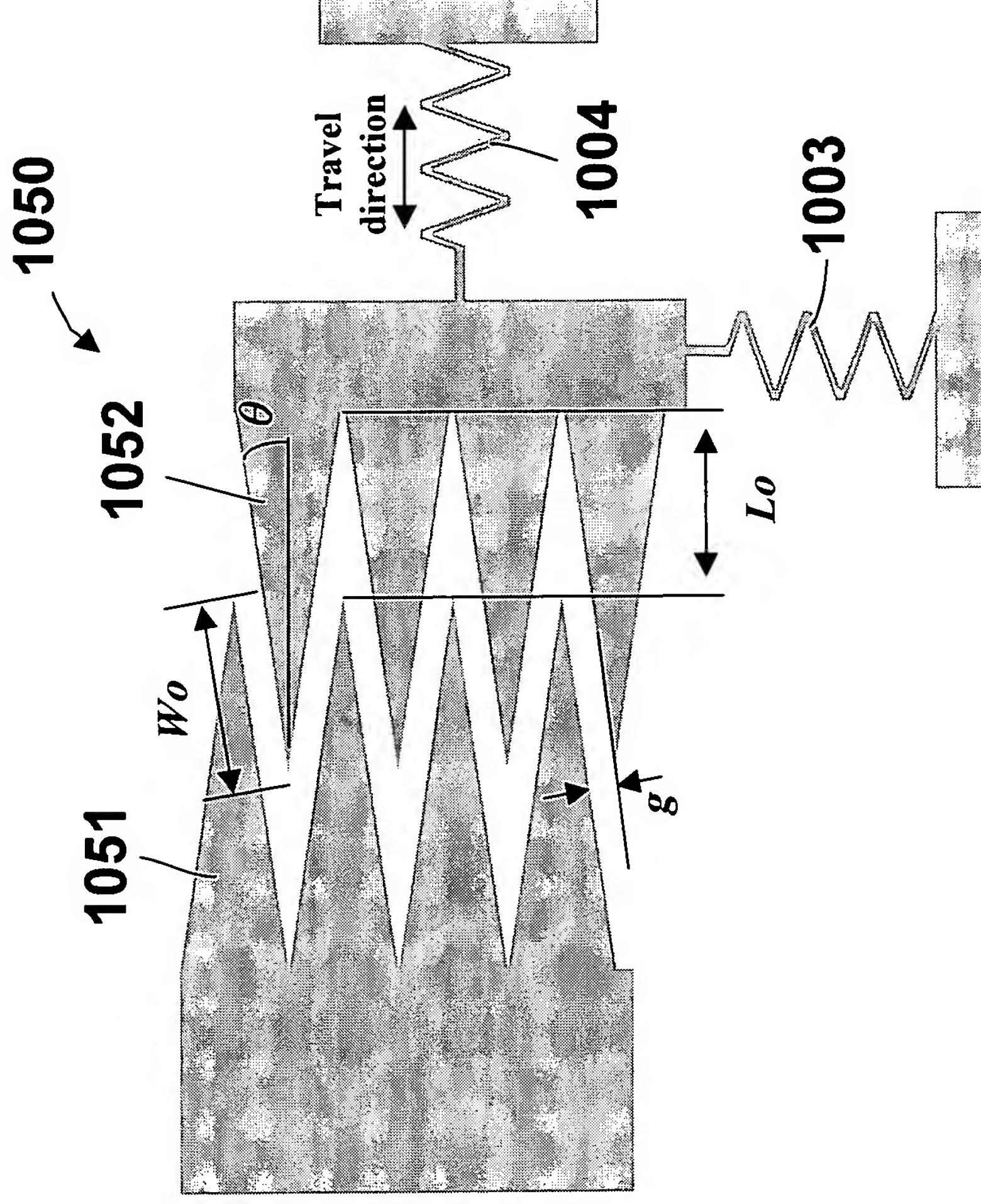


Fig.10b

REPLACEMENT FORMAL DRAWINGS

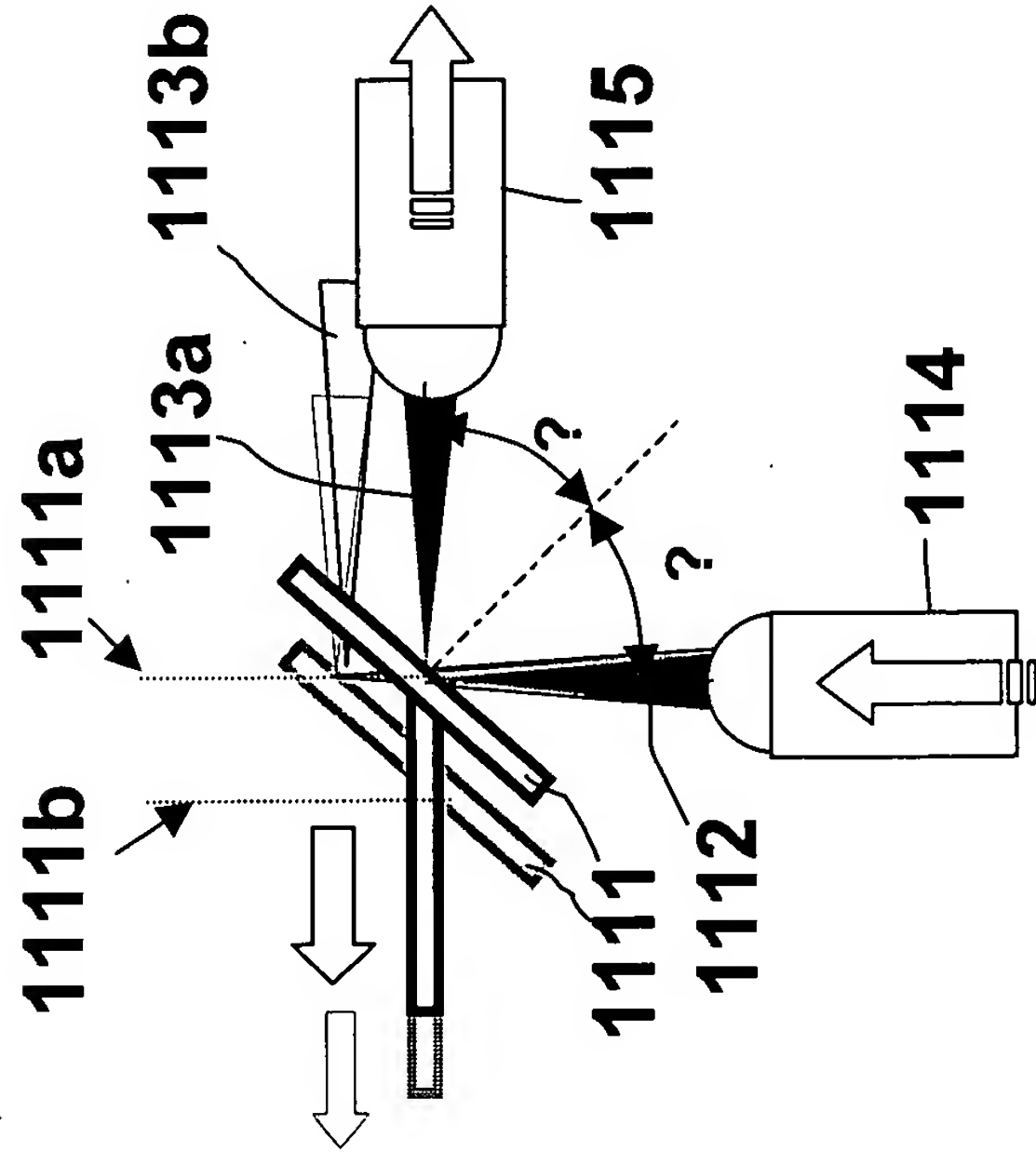


Fig.11a

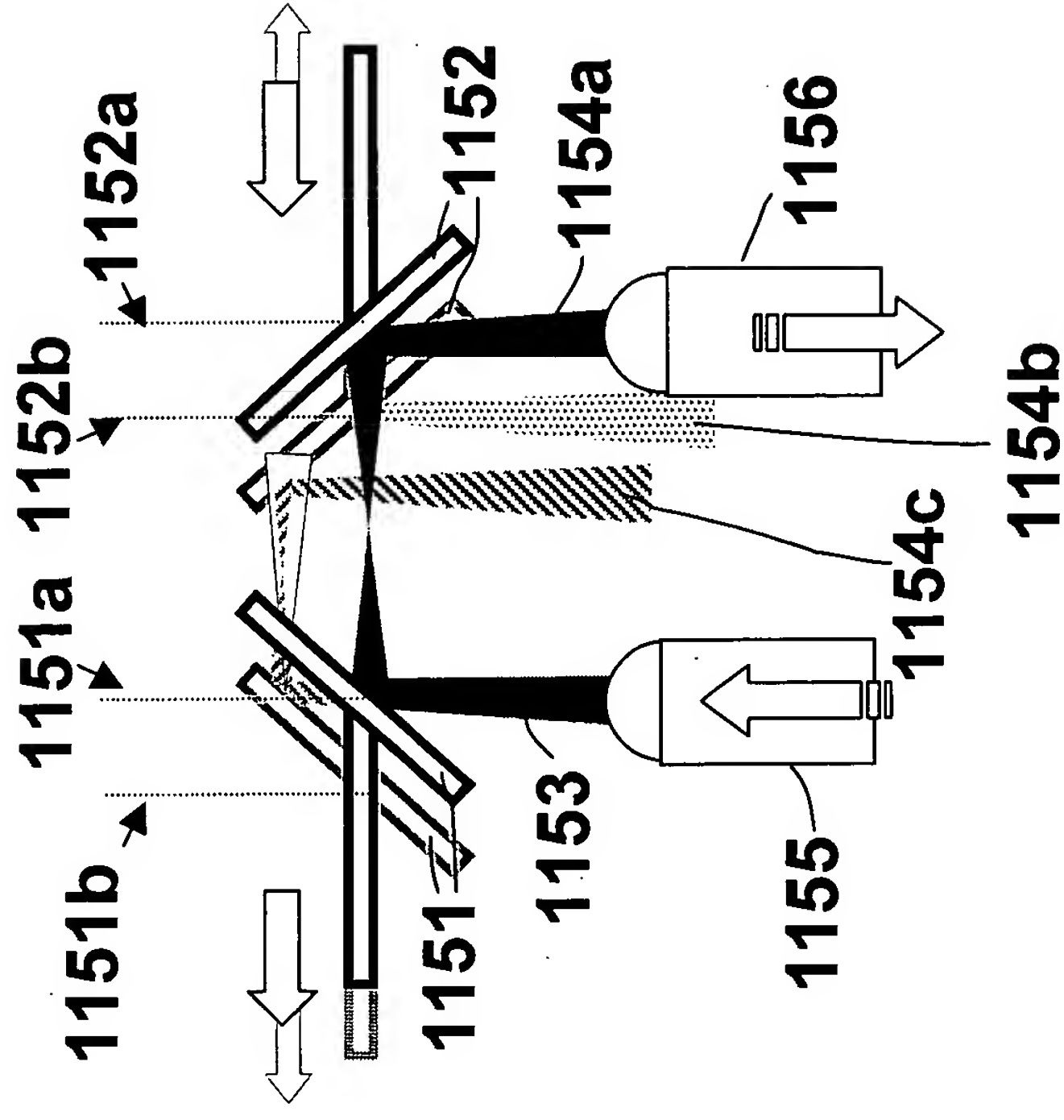


Fig.11b

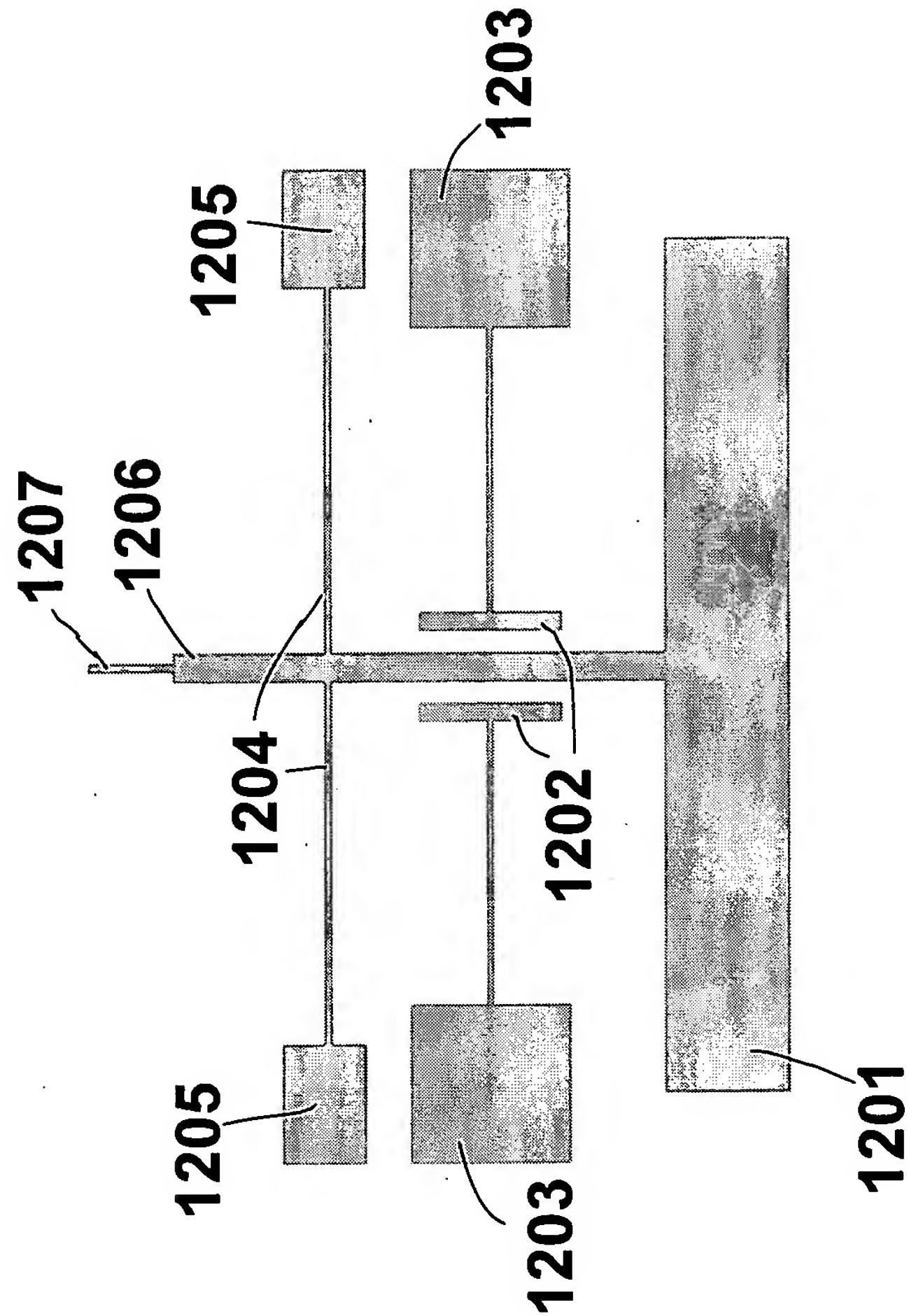


Fig.12a

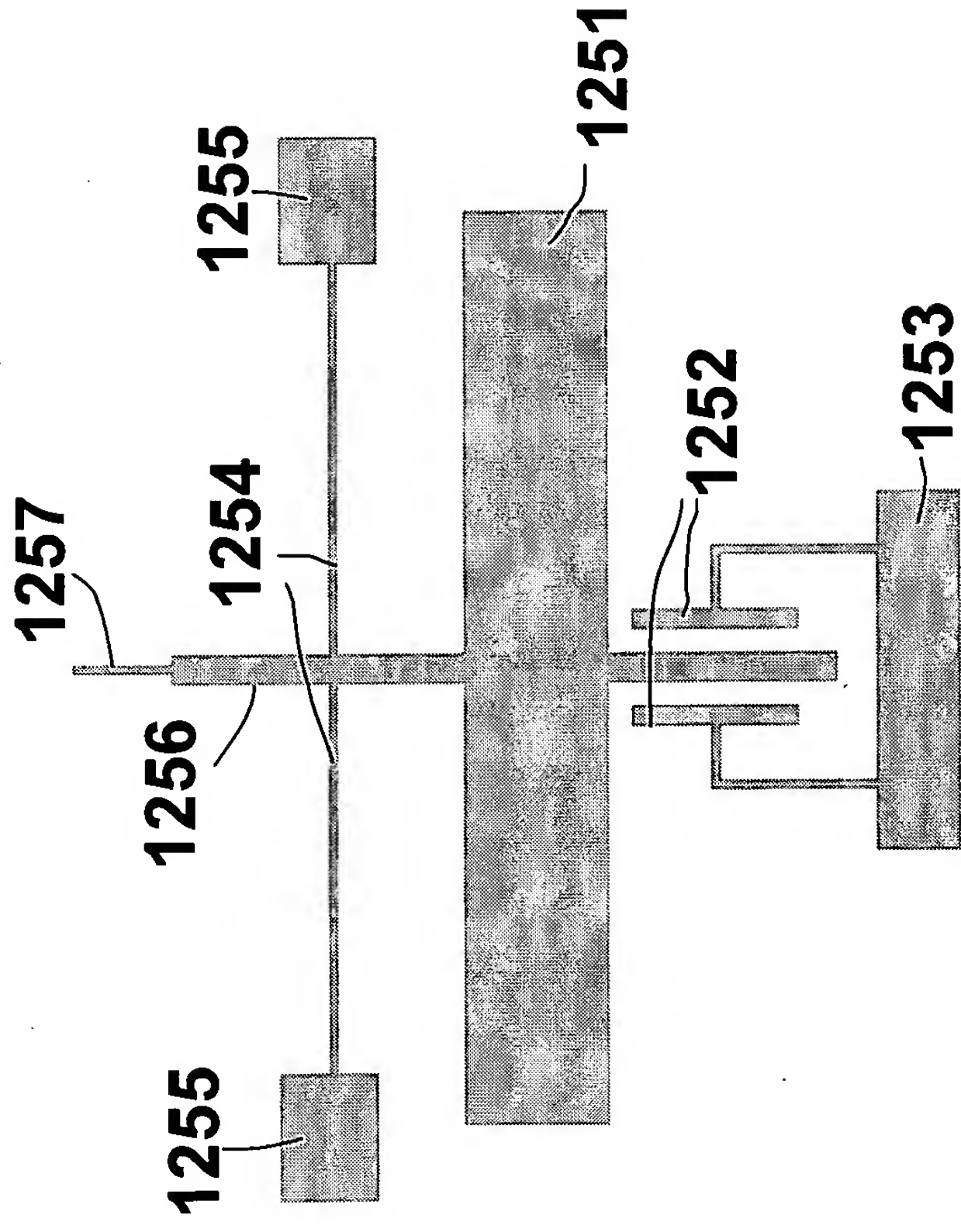


Fig.12b